

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|--|------------------|---------|---------------------|
| L1    | 1     | (hydrophobic with coating\$2) same heat adj (exchang\$2 or fin \$1) with (coating same plate) and (428/457). ccls. | US-PGPUB;<br>USPAT   | AND              | ON      | 2010/12/16<br>10:53 |
| L2    | 1     | (hydrophobic with coating\$2) same heat adj (exchang\$2 or fin \$1) with (coating same plate) and (427/402). ccls. | US-PGPUB;<br>USPAT   | AND              | ON      | 2010/12/16<br>10:55 |
| S1    | 87649 | thickness same plate same like   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/09/09<br>14:43 |
| S2    | 86    | thickness same plate same like same paint adj like   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/09/09<br>14:44 |
| S3    | 43600 | plate adj material   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/09/09<br>14:46 |
| S4    | 235   | plate adj material same hydrophobic  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/09/09<br>14:47 |
| S5    | 0     | plate adj material same heat adj exchanger same chromic  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | OFF     | 2008/09/09<br>15:11 |
| S6    | 420   | plate adj material same heat adj exchanger   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND              | OFF     | 2008/09/09<br>15:11 |

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| S7  | 262   | plate adj material with heat adj exchanger  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>15:12 |
| S8  | 26    | plate adj material with heat adj exchanger same fins                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>15:13 |
| S9  | 26    | plate adj material same heat adj exchanger same treatment                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>15:27 |
| S10 | 26    | plate adj material same heat adj exchanger same treatment                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>15:27 |
| S11 | 29    | plate adj material same heat adj exchanger same coating                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>15:27 |
| S12 | 2     | plate adj material same heat adj exchanger same hydrophobic same coating            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>16:17 |
| S13 | 0     | hydrophobic same coating same fins same plate                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>16:20 |
| S14 | 15    | hydrophobic same coating same fins same plate                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>16:20 |
| S15 | 119   | hydrophobic same heat adj exchang\$2 same coating same hydrophobic                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>16:22 |
| S16 | 13960 | hydrophobic same coating same heat adj exchang\$2 or fin\$1 same coating same plate | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>16:35 |

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| S17 | 4760 | hydrophobic same coating same heat adj<br>exchang\$2 or fin\$1 with<br>coating same plate                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>16:36 |
| S18 | 4738 | hydrophobic with<br>coating same heat adj<br>exchang\$2 or fin\$1 with<br>coating same plate                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>16:36 |
| S19 | 4710 | hydrophobic with<br>coating with heat adj<br>exchang\$2 or fin\$1 with<br>coating same plate                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>16:36 |
| S20 | 260  | hydrophobic with<br>coating with heat adj<br>exchang\$2 or fin\$1 with<br>coating same plate and<br>chromic | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>16:37 |
| S21 | 37   | hydrophobic same heat<br>adj exchanger with<br>coating  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>17:13 |
| S22 | 1126 | hydrophobic same plate<br>with coating  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>17:17 |
| S23 | 4    | hydrophobic same plate<br>with coating same fin   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>17:17 |
| S24 | 3    | hydrophobic same plate<br>with coating same<br>radiating  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>17:18 |
| S25 | 14   | hydrophobic same plate<br>adj like with coating   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>17:18 |
| S26 | 21   | hydrophobic same plate<br>adj material with<br>coating  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>17:20 |

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| S27 | 0     | hydrophobic same plate adj material with coating not S26   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/09<br>17:20 |
| S28 | 164   | hydrophobic with coating same heat adj exchang\$2 or fin\$1 with coating same plate adj material | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/09<br>17:21 |
| S29 | 164   | hydrophobic with coating same heat adj exchang\$2 or fin\$1 with coating same plate adj material | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>07:51 |
| S30 | 1     | S29 and dyn adj cm   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>07:51 |
| S31 | 28    | S29 and surface adj tension  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>07:52 |
| S32 | 2804  | dyn/cm   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>07:57 |
| S33 | 36251 | dyn/cm and radiating adj fan or plate same material and hydrophobic                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>07:58 |
| S34 | 0     | dyn/cm and radiating adj fan   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>07:58 |
| S35 | 133   | dyn/cm and plate same material and hydrophobic   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>07:59 |
| S36 | 34    | dyn/cm and heat adj exchanger  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:01 |

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| S37 | 1034  | dyn/cm and plate  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:05 |
| S38 | 10    | dyn/cm and plate and<br>fin   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:05 |
| S39 | 19    | dyn/cm and plate adj<br>material  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:06 |
| S40 | 42    | dyn/cm and exchanger  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:07 |
| S41 | 11169 | dyn/cm or surface<br>tension and plate same<br>material and<br>hydrophobic  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:11 |
| S42 | 4071  | dyn/cm or surface<br>tension same plate<br>same material and<br>hydrophobic | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:11 |
| S43 | 2824  | dyn/cm or surface<br>tension same plate adj<br>material and<br>hydrophobic  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:11 |
| S44 | 2804  | dyn/cm or surface<br>tension same plate adj<br>material with<br>hydrophobic | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:12 |
| S45 | 2804  | dyn/cm or surface<br>tension adj plate adj<br>material with<br>hydrophobic  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>08:12 |
| S46 | 2241  | dyn/cm or surface<br>tension adj plate adj<br>material with<br>hydrophobic  | US-PGPUB;<br>USPAT; JPO  | AND | ON  | 2008/09/10<br>08:12 |
| S47 | 2241  | dyn/cm or surface<br>tension adj plate adj<br>material with<br>hydrophobic  | US-PGPUB;<br>USPAT; JPO  | AND | OFF | 2008/09/10<br>08:12 |

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| S48 | 2241 | dyn/cm or surface<br>tension adj plate adj<br>material adj<br>hydrophobic                 | US-PGPUB;<br>USPAT; JPO | AND | OFF | 2008/09/10<br>08:13 |
| S49 | 0    | dyn/cm with surface<br>tension adj plate adj<br>material adj<br>hydrophobic               | US-PGPUB;<br>USPAT; JPO | AND | OFF | 2008/09/10<br>08:13 |
| S50 | 0    | dyn/cm near surface<br>tension adj plate adj<br>material adj<br>hydrophobic               | US-PGPUB;<br>USPAT; JPO | AND | OFF | 2008/09/10<br>08:13 |
| S51 | 0    | dyn/cm same surface<br>tension adj plate adj<br>material adj<br>hydrophobic               | US-PGPUB;<br>USPAT; JPO | AND | OFF | 2008/09/10<br>08:13 |
| S52 | 560  | dyn/cm or surface<br>tension adj plate adj<br>material with<br>hydrophobic                | JPO                     | AND | OFF | 2008/09/10<br>08:14 |
| S53 | 560  | dyn/cm or surface<br>tension adj plate adj<br>material adj<br>hydrophobic                 | JPO                     | AND | OFF | 2008/09/10<br>08:15 |
| S54 | 0    | dyn/cm adj plate adj<br>material adj<br>hydrophobic                                       | JPO                     | AND | OFF | 2008/09/10<br>08:15 |
| S55 | 0    | surface tension adj<br>plate adj material adj<br>hydrophobic                              | JPO                     | AND | OFF | 2008/09/10<br>08:15 |
| S56 | 0    | surface tension same<br>plate adj material adj<br>hydrophobic                             | JPO                     | AND | OFF | 2008/09/10<br>08:16 |
| S57 | 560  | dyn/cm or surface<br>tension adj exchange<br>adj fan adj hydrophobic                      | JPO                     | AND | OFF | 2008/09/10<br>08:16 |
| S58 | 560  | dyn/cm or surface<br>tension adj plate adj<br>material adj<br>hydrophobic not dyn/<br>cm2 | JPO                     | AND | OFF | 2008/09/10<br>08:20 |
| S59 | 2    | plate adj material adj<br>hydrophobic   | JPO                     | AND | OFF | 2008/09/10<br>08:22 |
| S60 | 0    | exchange adj fan adj<br>hydrophobic   | JPO                     | AND | OFF | 2008/09/10<br>08:22 |
| S61 | 0    | exchange adj fan same<br>hydrophobic  | JPO                     | AND | OFF | 2008/09/10<br>08:22 |
| S62 | 74   | exchange adj fan  | JPO                     | AND | OFF | 2008/09/10<br>08:22 |
| S63 | 1    | exchange adj fan and<br>coating   | JPO                     | AND | OFF | 2008/09/10<br>08:23 |

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| S64 | 541   | surface adj tension same paint and plate adj material or radiating adj fan             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:25 |
| S65 | 534   | dyn/cm same paint and plate adj material or radiating adj fan not dyn/cm2              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:26 |
| S66 | 533   | dyn/cm same paint same coating and plate adj material or radiating adj fan not dyn/cm2 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:27 |
| S67 | 43600 | plate adj material   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:33 |
| S68 | 2643  | plate adj material same coating  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:33 |
| S69 | 0     | plate adj material same coating same dyn/cm  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:33 |
| S70 | 2     | plate adj material same coating and dyn/cm   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:33 |
| S71 | 0     | "62278033".FREF.   | JPO  | AND | OFF | 2008/09/10<br>08:38 |
| S72 | 0     | "62-278033".FREF.  | JPO  | AND | OFF | 2008/09/10<br>08:38 |
| S73 | 0     | (Showa adj Aluminum adj Corporation).AS.   | JPO  | AND | OFF | 2008/09/10<br>08:40 |
| S74 | 157   | (Showa adj Aluminum adj Corporation).AS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:40 |
| S75 | 0     | (Showa adj Aluminum adj Corporation).AS. and hydrophobic same coating                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:45 |

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| S76 | 57592   | (Kobe adj steel).AS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:46 |
| S77 | 238     | (Kobe adj steel).AS. and<br>plate adj material   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:47 |
| S78 | 3       | (Kobe adj steel).AS. and<br>plate adj material and<br>hydrophobic                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:47 |
| S79 | 0       | (Mitsubishi adj heavy<br>adj industries).AS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:51 |
| S80 | 1880    | (Mitsubishi adj heavy<br>adj industries).AS.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:51 |
| S81 | 9       | (Mitsubishi adj heavy<br>adj industries).AS. and<br>plate adj material and<br>hydrophobic  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>08:51 |
| S82 | 2804    | plate adj material and<br>dyn adj cm or dyn/cm   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:09 |
| S83 | 1119    | plate adj material and<br>dyn adj cm or dyn/cm<br>and treatment                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:11 |
| S84 | 1040030 | plate adj material and<br>dyn adj cm or dyn/cm<br>and treatment and<br>surfaceadj tension  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:12 |
| S85 | 855     | plate adj material and<br>dyn adj cm or dyn/cm<br>and treatment and<br>surface adj tension | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:12 |



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| S86 | 209   | plate adj material and dyn adj cm or dyn/cm and treatment same surface adj tension | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:13 |
| S87 | 43600 | plate adj material   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:23 |
| S88 | 1     | plate adj material and radiating adj fan   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:23 |
| S89 | 0     | plate adj material and radiating adj fan same coating                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:24 |
| S90 | 0     | plate adj material and radiating adj fan same treatment                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:25 |
| S91 | 43601 | plate adj material or radiating adj fan same treatment                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:25 |
| S92 | 43600 | plate adj material or radiating adj fan same hydrophobic                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:25 |
| S93 | 43600 | plate adj material or radiating adj fan same dyn/cm                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:26 |
| S94 | 43600 | plate adj material or radiating adj fan adj dyn/cm                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:26 |
| S95 | 0     | plate adj material adj dyn/cm  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2008/09/10<br>09:26 |

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| S96  | 5     | plate adj material same dyn/cm   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:27 |
| S97  | 43600 | plate adj material or radiating adj fan adj dyn/cm not printing                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:29 |
| S98  | 39102 | plate adj material not printing adj plate  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:29 |
| S99  | 43180 | plate adj material not printing adj plate same hydrophobic                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:30 |
| S100 | 8031  | plate adj coating not printing adj plate same hydrophobic                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:30 |
| S101 | 8151  | plate adj coating not printing adj plate same hydrophobic same dyn                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:33 |
| S102 | 8151  | plate adj coating not printing adj plate same hydrophobic same dyn/cm                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:33 |
| S104 | 1011  | plate adj treatment not printing adj plate same hydrophobic same surface adj tension | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>09:34 |
| S105 | 0     | hydrophobic same metal adj coating and dyn/cm  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>10:24 |
| S106 | 0     | hydrophobic adj coating same meatl and dyn/cm  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>10:25 |

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| S107 | 0     | hydrophobic adj coating same metal and dyn/cm                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>10:26 |
| S108 | 36396 | hydrophobic same coating                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>10:26 |
| S109 | 6     | hydrophobic same coating same metal and dyn/cm               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>10:26 |
| S110 | 1     | repellant same coating same metal and dyn/cm                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>10:27 |
| S111 | 0     | repellant same plate same treatment same dyn/cm              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>10:28 |
| S112 | 1203  | repellant same plate   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>10:28 |
| S113 | 12    | repellant same plate adj material                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>10:28 |
| S114 | 235   | hydrophobic same plate adj material                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>12:14 |
| S115 | 2     | hydrophobic same plate adj material same surface adj tension | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>13:47 |
| S116 | 1     | hydrophobic same plate adj material and dyn/cm               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>13:48 |

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| S117 | 0     | 427/402.cds. same hydrophobic   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>15:24 |
| S118 | 8149  | plate adj coating not printing adj plate same hydrophobic same surface adj tension                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/10<br>15:42 |
| S119 | 1761  | S118 and solvent  | US-PGPUB;<br>USPAT   | OR  | OFF | 2008/09/10<br>15:42 |
| S120 | 275   | S119 and butanol  | US-PGPUB;<br>USPAT   | OR  | OFF | 2008/09/10<br>15:43 |
| S121 | 12777 | metal and alcohol with solvent same coating   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:11 |
| S122 | 312   | metal and alcohol with solvent same coating same hydrophobic  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:11 |
| S123 | 0     | metal and alcohol with solvent same coating same hydrophobic same (plate adj like or plate-like) adj material | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:13 |
| S124 | 0     | solvent and coating same hydrophobic same (plate adj like or plate-like) adj material                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:13 |
| S125 | 0     | coating same hydrophobic same (plate adj like or plate-like) adj material                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:13 |
| S126 | 0     | treatment same hydrophobic same (plate adj like or plate-like) adj material                                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:14 |
| S127 | 1     | hydrophobic same (plate adj like or plate-like) adj material  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:14 |

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| S128 | 62   | hydrophobic same<br>(plate adj like or plate-<br>like) same material                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:14 |
| S129 | 25   | hydrophobic same<br>(plate adj like or plate-<br>like) same material and<br>solvent | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:15 |
| S130 | 25   | hydrophobic same<br>(plate adj like or plate-<br>like) same material and<br>alcohol | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:16 |
| S131 | 0    | alcohol same metal<br>same coating same<br>hydrophobic                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:17 |
| S132 | 653  | alcohol same metal<br>same coating same<br>hydrophobic                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:17 |
| S133 | 8    | alcohol same metal<br>same coating same<br>hydrophobic and plate-<br>like           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:17 |
| S134 | 35   | alcohol same metal<br>same coating same<br>hydrophobic same paint                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:21 |
| S135 | 101  | metal same coating<br>same hydrophobic same<br>paint and alcohol                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:22 |
| S136 | 2164 | (hydrophobic same<br>paint)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:25 |
| S137 | 1185 | (hydrophobic same<br>paint) and ("oh" or<br>alcohol)                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:26 |

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| S138 | 1005 | S137 and solvent   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:27 |
| S139 | 306  | (hydrophobic same paint) and (("oh" or alcohol) with solvent)                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:27 |
| S140 | 850  | (hydrophobic same paint) and (("oh" or alcohol) with solvent)                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:27 |
| S141 | 800  | (hydrophobic same paint) and ((alcohol) with solvent)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:27 |
| S142 | 120  | (( hydrophobic with organic) same paint) and ((alcohol) with solvent)                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:28 |
| S143 | 55   | S142 and (butanol or pentanol or isobutanol)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:30 |
| S144 | 91   | (( hydrophobic with organic) same paint) and (disperse or dispersion) and ((alcohol) with solvent) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:32 |
| S145 | 504  | (hydrophobic same paint) and (disperse or dispersion) and ((alcohol) with solvent)                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:34 |
| S146 | 230  | (hydrophobic with paint) and (disperse or dispersion) and ((alcohol) with solvent)                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:34 |
| S147 | 50   | (hydrophobic with paint) and ((disperse or dispersion) same ((alcohol) with solvent))              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:35 |

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| S148 | 1       | fluorochemical adj<br>coating same metal<br>same solvent adj based                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:46 |
| S149 | 49      | fluorochemical same<br>solvent adj based  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:48 |
| S150 | 96      | silicone same solvent<br>adj based same metal   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:50 |
| S151 | 3       | silicone same solvent<br>adj based same metal<br>same treatment                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>16:55 |
| S152 | 146     | ((hydrophobic same<br>paint) and ((disperse or<br>dispersion) same<br>((alcohol) with solvent)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:58 |
| S153 | 139     | alcohol same dispersion<br>same hydrophobic same<br>paint                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/10<br>16:59 |
| S154 | 5082    | ester adj alcohol   | US-PGPUB;<br>USPAT   | OR  | OFF | 2008/09/10<br>17:09 |
| S155 | 282842  | ester adj alcohol and<br>fluorochemical or<br>silicone  | US-PGPUB;<br>USPAT   | OR  | OFF | 2008/09/10<br>17:10 |
| S156 | 218     | ester adj alcohol and<br>fluorochemical or<br>silicone and plate-like<br>adj material           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>17:10 |
| S157 | 1080908 | metal adj coating same<br>alcohol adj based or<br>alcohol                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>17:25 |
| S158 | 1080908 | metal adj coating with<br>alcohol adj based or<br>alcohol                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>17:26 |

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| S159 | 381686 | metal adj coating with alcohol adj based or alcohol  | USPAT              | AND | OFF | 2008/09/10 17:26 |
| S160 | 381686 | hydrophobic same metal adj coating with alcohol adj based or alcohol   | USPAT              | AND | OFF | 2008/09/10 17:37 |
| S161 | 381686 | hydrophobic same metal adj coating with alcohol adj based or alcohol   | USPAT              | AND | OFF | 2008/09/10 17:37 |
| S162 | 0      | hydrophobic same metal adj coating with alcohol adj based or alcohol with plate-like adj material                | USPAT              | AND | OFF | 2008/09/10 17:38 |
| S163 | 126    | hydrophobic same metal adj coating with alcohol adj based or alcohol and plate-like adj material                 | USPAT              | AND | OFF | 2008/09/10 17:38 |
| S164 | 849098 | solvent adj based coating  | US-PGPUB;<br>USPAT | OR  | OFF | 2008/09/10 17:41 |
| S165 | 93009  | solvent adj based coating and butanol or pentanol or hexanol   | US-PGPUB;<br>USPAT | OR  | OFF | 2008/09/10 17:42 |
| S166 | 84652  | solvent adj based coating and butanol or pentanol or hexanol and silicone  | US-PGPUB;<br>USPAT | OR  | OFF | 2008/09/10 17:42 |
| S167 | 82817  | solvent adj based coating and butanol or pentanol or hexanol and silicone and fluorochemical                     | US-PGPUB;<br>USPAT | OR  | OFF | 2008/09/10 17:43 |
| S168 | 21851  | solvent adj based coating and butanol or pentanol or hexanol and silicone and fluorochemical and plate           | US-PGPUB;<br>USPAT | AND | OFF | 2008/09/10 17:43 |
| S169 | 21849  | solvent adj based coating and butanol or pentanol or hexanol and silicone and fluorochemical and plate and metal | US-PGPUB;<br>USPAT | AND | OFF | 2008/09/10 17:43 |
| S170 | 110    | S169 and dyn/cm  | US-PGPUB;<br>USPAT | OR  | OFF | 2008/09/10 17:44 |
| S171 | 0      | solvent adj based same metal adj coating same hydrophobic  | US-PGPUB;<br>USPAT | OR  | OFF | 2008/09/10 17:46 |



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| S172 | 1      | solvent adj based same metal adj coating and hydrophobic                                     | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:47 |
| S173 | 2      | solvent adj based same metal adj coating and silicone  | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:47 |
| S174 | 299017 | butanol same fluorochemical or silicone or hydrophobic same coating                          | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:53 |
| S175 | 282827 | butanol same fluorochemical or silicone or hydrophobic same coating and dym/cm               | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:54 |
| S176 | 282827 | butanol same fluorochemical or silicone or hydrophobic same coating same dym/cm              | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:54 |
| S177 | 283223 | butanol same fluorochemical or silicone or hydrophobic same coating same surface adj tension | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:54 |
| S178 | 0      | butanol same hydrophobic same coating same surface adj tension                               | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:54 |
| S179 | 2      | butanol same silicone same coating same surface adj tension                                  | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:55 |
| S180 | 245    | Fluorochemical and solvent adj coating   | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:56 |
| S181 | 245    | Fluorochemical and (solvent adj coating)   | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>17:57 |
| S182 | 4298   | silicone and (solvent adj coating)   | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>18:01 |
| S183 | 35709  | silicone and (solvent adj coating) and butanol or pantanol or isobutanol or hexanol          | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>18:01 |
| S184 | 34687  | silicone and (solvent adj coating) same butanol or pantanol or isobutanol or hexanol         | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>18:01 |
| S185 | 34633  | hydrophobic and (solvent adj coating) same butanol or pantanol or isobutanol or hexanol      | US-PGPUB;<br>USPAT | OR | OFF | 2008/09/10<br>18:02 |

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| S186 | 327 | (plate-like or plate adj like) adj material and solvent               | US-PGPUB;<br>USPAT   | OR  | OFF | 2008/09/10<br>18:03 |
| S187 | 0   | (plate-like or plate adj like) adj material and solvent near spray    | US-PGPUB;<br>USPAT   | OR  | OFF | 2008/09/10<br>18:04 |
| S188 | 0   | hydrophobic adj paint same solvent adj based                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>18:05 |
| S189 | 9   | hydrophobic adj paint same solvent                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>18:05 |
| S190 | 0   | hydrophobic adj solvent adj latex                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>18:07 |
| S191 | 378 | solvent adj latex   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>18:07 |
| S192 | 0   | solvent adj latex and hydrophobic                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>18:07 |
| S193 | 2   | solvent adj latex and fluorochemical                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>18:08 |
| S194 | 2   | solvent adj paint and fluorochemical                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/10<br>18:11 |
| S195 | 35  | hydrophobic same hydrophilic same solvent same corrosion same coating | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | ON  | 2008/09/11<br>15:34 |
| S196 | 65  | hydrophilic same fin same solvent                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/11<br>15:50 |

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| S197 | 25  | hydrophobic and hydrophilic same fin same solvent  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/11<br>15:58 |
| S198 | 514 | hydrophobic and hydrophilic same exchange same solvent                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/11<br>16:00 |
| S199 | 93  | hydrophobic and hydrophilic same exchange same solvent and corrosion                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/11<br>16:00 |
| S200 | 12  | hydrophobic and hydrophilic same exchange same solvent and corrosion same coating          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/11<br>16:08 |
| S201 | 169 | hydrophobic and hydrophilic same fin or plate-like same solvent and corrosion same coating | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR  | OFF | 2008/09/11<br>16:09 |
| S202 | 196 | (hydrophilic and hydrophobic) same (heat adj exchanger or fin)                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/12<br>16:54 |
| S203 | 49  | (hydrophilic and hydrophobic and corrosion) same (heat adj exchanger or fin)               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/12<br>17:09 |
| S204 | 83  | (hydrophobic and corrosion) same (heat adj exchanger or fin)                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/12<br>17:21 |
| S205 | 639 | hydrophobic same (heat adj exchanger or fin)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/12<br>17:53 |
| S206 | 49  | hydrophobic same (heat adj exchanger or fin) and paint                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | AND | OFF | 2008/09/12<br>17:54 |
| S207 | 298 | hydrophobic same (heat adj exchanger or fin)   | US-PGPUB;<br>USPAT   | AND | OFF | 2008/09/12<br>18:06 |

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| S208 | 0     | ".FREF.08269367" and Yoshikazu  | EPO; JPO   | AND | OFF | 2008/09/16 14:25 |
| S209 | 0     | ".FREF.08-269367" and Yoshikazu   | EPO; JPO   | AND | OFF | 2008/09/16 14:25 |
| S210 | 34222 | Yoshikazu   | EPO; JPO   | AND | OFF | 2008/09/16 14:25 |
| S211 | 23    | Yoshikazu and aluminum adj plate  | EPO; JPO   | AND | OFF | 2008/09/16 14:25 |
| S212 | 23    | Yoshikazu and aluminum adj plate  | JPO  | AND | OFF | 2008/09/16 14:26 |
| S213 | 0     | Yoshikazu adj mukai   | JPO  | AND | OFF | 2008/09/16 14:28 |
| S214 | 109   | Yoshikazu and mukai   | JPO  | AND | OFF | 2008/09/16 14:28 |
| S215 | 63    | Yoshikazu and mukai and aluminum  | JPO  | AND | OFF | 2008/09/16 14:29 |
| S216 | 17    | Yoshikazu and mukai and aluminum adj plate  | JPO  | AND | OFF | 2008/09/16 14:29 |
| S217 | 1     | "6013724".pn.   | US-PGPUB; USPAT  | OR  | OFF | 2008/09/16 14:40 |
| S218 | 2465  | ((acrylic with melamine) or (urethane with phenol) or (zirconium with fluoride with acrylic)) and (plate with coating)                            | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/01/26 17:23 |
| S219 | 23    | ((acrylic with melamine) or (urethane with phenol) or (zirconium with fluoride with acrylic)) and (plate with coating) and (heat adj exchange)    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/01/26 17:24 |
| S220 | 35    | ((acrylic with melamine) or (urethane with phenol) or (zirconium with fluoride with acrylic)) and (plate with coating) and untreated with surface | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/01/26 18:24 |
| S221 | 8     | ((acrylic with melamine) or (urethane with phenol) or (zirconium with fluoride with acrylic)) and (heat with exchange) and untreated with surface | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/01/26 18:25 |
| S222 | 39    | plate adj material same hydrophobic   | EPO; JPO   | OR  | OFF | 2009/05/27 10:45 |
| S223 | 40    | plate adj material same hydrophobic   | EPO; JPO   | OR  | ON  | 2009/05/27 10:45 |

|      |      |   |                    |     |     |                     |
|------|------|---|--------------------|-----|-----|---------------------|
| S224 | 16   | (plate with material)<br>same hydrophobic and<br>solvent                          | EPO, JPO           | OR  | ON  | 2009/05/27<br>10:46 |
| S225 | 1220 | (plate with material)<br>same hydrophobic and<br>solvent                          | US-PGPUB;<br>USPAT | OR  | ON  | 2009/05/27<br>10:47 |
| S226 | 143  | (plate with material)<br>same hydrophobic and<br>solvent and chromic              | US-PGPUB;<br>USPAT | OR  | ON  | 2009/05/27<br>10:48 |
| S227 | 1    | "3983305".pn.   | USPAT              | OR  | OFF | 2009/10/31<br>14:08 |
| S228 | 863  | (aluminum adj2 plate)<br>and (rolling adj oil)                                    | US-PGPUB;<br>USPAT | OR  | OFF | 2009/10/31<br>14:17 |
| S229 | 7    | (aluminum adj2 plate)<br>and (rolling adj oil) adj2<br>remain\$2                  | US-PGPUB;<br>USPAT | OR  | OFF | 2009/10/31<br>14:18 |
| S230 | 1    | "20050103481"   | DERWENT            | OR  | OFF | 2009/10/31<br>14:42 |
| S231 | 0    | (aluminum adj2 plate)<br>and (rolling adj oil) adj2<br>residue                    | US-PGPUB;<br>USPAT | OR  | OFF | 2009/10/31<br>14:47 |
| S232 | 0    | (aluminum adj2 plate)<br>and (rolling adj oil) adj2<br>residu\$5                  | US-PGPUB;<br>USPAT | OR  | ON  | 2009/10/31<br>14:47 |
| S233 | 0    | (aluminum adj2 plate)<br>and (rolling adj oil) adj2<br>presist                    | US-PGPUB;<br>USPAT | OR  | ON  | 2009/10/31<br>14:48 |
| S234 | 0    | (aluminum adj2 plate)<br>and (rolling adj oil) with<br>(no adj3 remov\$3)         | US-PGPUB;<br>USPAT | OR  | ON  | 2009/10/31<br>14:49 |
| S235 | 1    | (aluminum adj2 plate)<br>and (rolling adj oil) with<br>(no adj3 treatment)        | US-PGPUB;<br>USPAT | OR  | ON  | 2009/10/31<br>14:50 |
| S236 | 0    | (aluminum adj2 plate)<br>and (rolling adj oil) adj2<br>remain\$2                  | DERWENT            | OR  | OFF | 2009/10/31<br>14:51 |
| S237 | 0    | (aluminum adj2 plate)<br>and (rolling adj oil)<br>near4 (no\$1 adj2 remov<br>\$3) | DERWENT            | OR  | OFF | 2009/10/31<br>14:52 |
| S238 | 23   | Khan.in. and<br>fluoropolymer   | US-PGPUB;<br>USPAT | AND | ON  | 2010/04/30<br>10:50 |
| S239 | 0    | Khan.in. and<br>fluoropolymer and<br>hydrophobic and<br>hydrophillic              | US-PGPUB;<br>USPAT | AND | ON  | 2010/04/30<br>10:50 |
| S240 | 0    | "1993005446"  | DERWENT            | AND | ON  | 2010/04/30<br>10:52 |
| S241 | 1    | "1993005446"  | DERWENT            | AND | ON  | 2010/04/30<br>10:52 |

|      |   |               |                    |     |     |                     |
|------|---|---------------|--------------------|-----|-----|---------------------|
| S242 | 1 | "5258263".pn. | US-PGPUB;<br>USPAT | AND | ON  | 2010/04/30<br>10:53 |
| S243 | 1 | "5760126".pn. | US-PGPUB;<br>USPAT | AND | ON  | 2010/04/30<br>11:29 |
| S244 | 1 | "6013724".pn. | USPAT              | OR  | OFF | 2010/12/07<br>14:38 |
| S245 | 1 | "5342871".pn. | USPAT              | OR  | OFF | 2010/12/07<br>14:40 |

**EAST Search History (Interference)**

| Ref # | Hits | Search Query   | DBs                      | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--------------------------|------------------|---------|------------------|
| L3    | 1    | (hydrophobic with coating \$2) same heat adj (exchang\$2 or fin\$1) with (coating same plate) and (428/457). ccls. | US-PGPUB;<br>USPAT; UPAD | AND              | ON      | 2010/12/16 10:55 |
| L4    | 1    | (hydrophobic with coating \$2) same heat adj (exchang\$2 or fin\$1) with (coating same plate) and (428/457). ccls. | US-PGPUB;<br>USPAT; UPAD | AND              | ON      | 2010/12/16 10:56 |

**12/ 16/ 2010 10:57:12 AM**
**C:\Documents and Settings\gclark1\My Documents\EAST\Workspaces\ Appl# 10554709.pts.  
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